For Research Use Only

# ATP5H Recombinant antibody, PBS Only

Catalog Number:86174-2-PBS

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## Basic Information

Catalog Number:
86174-2-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG11429

GenBank Accession Number:
BC032245

GeneID (NCBI):
10476

UNIPROT ID:
O75947

Full Name:
ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d

Calculated MW:
137 aa, 16 kDa

Observed MW:
19-22 kDa

Purification Method:
Protein A purification

CloneNo.:
250751G4

## Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

## Background Information

Mitochondrial membrane ATP synthase (F1-Fo ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. It is composed of the soluble catalytic core, F1, and the membrane-spanning component and Fo, which comprises the proton channel. The Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). ATP5H gene encodes ATP synthase subunit d of the Fo complex.

## Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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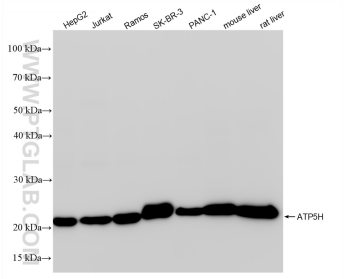
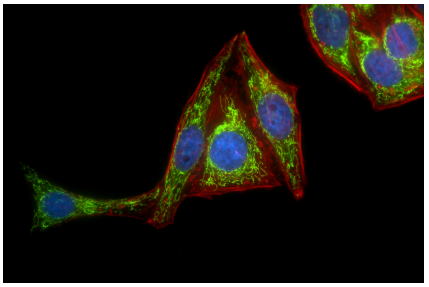
## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 86174-2-RR (ATP5H antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86174-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ATP5H antibody (86174-2-RR, Clone: 250751G4 ) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86174-2-PBS in a different storage buffer formulation.